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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/034,440	12/26/2001	Nemmara Chithambaram	30566.204-US-01	1732

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EXAMINER

LE, DEBBIE M

ART UNIT PAPER NUMBER

2177

DATE MAILED: 04/19/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/034,440

Applicant(s)

CHITHAMBARAM ET AL.

Examiner

DEBBIE M LE

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 26 December 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-40 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-40 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date <u>2-4</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Claims 1-40 are rejected under 35 U.S.C. 103(a) as being unpatentable over Richton (USP 6,650,902) in view of Mayraz (USP Application No. 2003/0105826 A1).

As per claims 1, 15 and 27, Richton discloses a system providing location based service information to a wireless mobile unit comprising:

storing a compact definition of a schema (simple commands) of an external database (fig. 3, # 305, location based preferences), wherein the external database comprises a user's profile information (the preferences users) (col. 3, lines 23-27);

storing data source information (location based server, fig. 3, # 302) that describes how to connect and communicate with the external database (location based

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preferences translates and cooperates with the location based service database to permit simple commands to be transmitted to) col. 3, lines 39-43); and

storing positional information (GIS or GSP) for the record in the external database as a geocoding index (col. 4, lines 15-27);

providing access (to/from WSC, fig. 3, # 220) to the user's profile information using the stored compact definition, data source information, and positional information (Fig. 3, # 320, Internet, # 340, other sources, external information sources, col. 4, lines 52-65).

Richton does not explicitly teach storing a structured query language (SQL) statement that, upon execution, extracts properties from the external database corresponding to the compact definition and storing a foreign key that identifies a record in the external database. However, Mayraz teaches the system stores user profiles corresponding to user's characteristics. Mayraz teaches storing a structured query language (SQL) statement that, upon execution, extracts properties from the external database corresponding to the compact definition (determination of which user profiles match to the target profiles is implemented by SQL statement), (§ 0163) and storing a foreign key (user table and user contact data table) that identifies a record in the external database (§ 0149-0152). Thus, it would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of the cited references to implement the step of storing a structured query language (SQL) statement that, upon execution, extracts properties from the external database corresponding to the compact definition and storing a foreign key that identifies a record in the external database because it enable verification of matching

when place names are included in the target profiles faster and more accurate (§ 0213).

As per claim 2, Richton teaches the compact definition of the schema comprises a name of one or more attributes, a type for each attribute, and a constraint for each attribute (col. 3, lines 42-61).

As per claim 3, Mayraz teaches wherein the foreign key is stored in a location based services database (§ 0149-0152).

As per claims 4 and 6, Richton teaches extracting the positional information from the external database and the positional information is used to determine a record in the external database for which additional information is to be retrieved (col. 6, lines 22-45).

As per claim 5, Richton teaches wherein the positional information is stored in a location based services database (col. 4, lines 66-67, col. 5, lines 1-20).

As per claim 7, Richton teaches comparing the positional information to a location of a user's mobile device to provide customized services to the user (col. 2, lines 1-5).

As per claim 8, Mayraz teaches wherein the foreign key and positional information are stored in a row of a table (§ 0151-0152).

As per claim 9, Mayraz teaches wherein the access is provided in an application programming interface (API) (fig. 3).

As per claim 10, Mayraz teaches wherein the access is provided by utilizing the foreign key in the SQL statement in accordance with the data source information (§ 0163).

As per claim 11, Mayraz teaches wherein the user's profile information comprises personal information of the user (§ 0152).

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As per claim 12, Richton teaches wherein the user's profile information comprises preferences of the user (fig. 3, # 305).

As per claim 13, Richton teaches wherein the foreign key and positional information are obtained when deploying a bridge (to/from, Fig. 220) that provides access to the profile information.

As per claim 14, Richton teaches whether a location of the user profile information is stored internally (preferences users) or externally (external sources) is transparent (to/from) to an application utilizing the user profile information.

Claims 16-26, 28-40 have similar limitations as claims 2-14; therefore, they are rejected under the same subject matter.

Conclusion

If a reference indicated as being mailed on PTO-FORM 892 has not been enclosed in this action, please contact Lisa Craney whose phone number is (703) 305-9601 for faster service.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DEBBIE M LE whose telephone number is 703-308-6409. The examiner can normally be reached on 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, JOHN BREENE can be reached on 703-305-9790. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



DEBBIE M LE
Examiner
Art Unit 2177

Debbie Le

April 16, 2004.



CHETA ROBINSON
PRIMARY EXAMINER